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ESTIMATE OF PRODUCTION OF NAVAL
AND MERCHANT VESSELS IN THE USSR
1957, 1958, and 1959

EIC-SSC-WP4

July 1959

Subcommittee on Shipbuilding
of the
Economic Intelligence Committee

DOCUMENT NO. 1
NO CHANGE IN CLASS. 1
 DECLASSIFIED
CLASS. CHANGED TO TS S C
NEXT REVIEW DATE: _____
AUTH: HR 70-2
DATE: 18 FEBR '82 REVIEWER: 018367

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FOREWORD

The Subcommittee on Shipbuilding of the Economic Intelligence Committee intends to publish annually an estimate of Soviet production of vessels covering a continuous 3-year period ending with the current year. All estimates are agreed to by each intelligence component having representation in the Subcommittee on Shipbuilding.

This report is the first annual publication and covers the years 1957, 1958, and 1959.

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~~SECRET~~ESTIMATE OF PRODUCTION OF NAVAL AND MERCHANT VESSELS IN THE USSR1957, 1958, and 1959*General

Production of naval and merchant vessels is given in this report in the following two categories: (1) number and tonnage of vessels completed during the year and (2) tonnage produced during year. The vessels listed under the heading Completed are considered to have been delivered by a shipyard complete and ready for service, although in the case of naval vessels they may not yet have been commissioned by the navy. The amount of tonnage produced during the year is the part of a vessel or vessels completed during the calendar year. This amount is determined by prorating the light ship weight of the vessel over the required production time in months.

For all vessels considered in this report tonnage figures are given in tons (2,240 pounds) of light ship weight, and for merchant ships gross register tons also are reported.

Because of the lack of sufficient information to permit listing of individual types and classes of fishing and of inland ships, a summary report of production estimates is included herein. The methodology used to determine these estimates may be found in the reports referred to on the summary sheets.

Submarines

Estimates of production of the Q, W, and F classes are included herein, but lack of sufficient information precludes estimates of number and tonnage of nuclear-powered and missile launching submarines.

An increasing amount of evidence indicates that construction of nuclear-powered submarines may have been under way for some time. Shipyards No. 402 at Severodvinsk and No. 199 at Komsomol'sk are suspected of participation in this program. These shipyards have adequate facilities and their location provides maximum security. In addition, these yards have access to the open seas through Soviet controlled waters. Naval shipbuilding in the USSR has been sharply reduced since 1956. Most of the principal shipyards that have not been engaged in a program for naval construction since that time have been actively engaged in production of merchant vessels. Production of merchant vessels in Shipyards No. 402 and No. 199 has been exceptionally low in relation to facilities. This relationship, in the light of available evidence, indicates a naval construction program which could include nuclear-powered submarines.

Based on various reports and including the information that preparations for serial production of submarines began in shipyard No. 402 at Severodvinsk in 1954, it is generally believed that this shipyard is the lead yard in the production of nuclear-powered submarines.

It is quite probable that a prototype of a nuclear submarine was produced in early 1957 and that the first serially-constructed submarines were produced in late 1958.

* Estimates and conclusions used in this report are based on information available as of 1 July 1959.

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COUNTRY: USSR

NAVAL VESSEL PRODUCTION: 1957

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Type	Completed					Under Construction	Produced During Year	Remarks
	January - June	July - December	Total	No. Light Ship Tons (English)	No. Light Ship Tons (English)			
<u>SURFACE VESSELS</u>								
DD	4	10,800	6	16,200	10*	27,000	8	13,090
Kotlin & Kildin								*Kotlin Class
DE	2	1,480			2	1,480	0	Program terminated.
Riga								
MSF	13	6,500	13	6,500	26	13,000	0	Program terminated.
T-33								
ACS	8	2,230	8	2,230	16	4,460	0	Program terminated.
Tihany								
MSI	9	2,010	9	2,010	18	4,020	NA	4,460
Sasha								
PC	12	3,350	12	3,350	24	6,700	0	4,020
Kronstadt								
PT-PTC								6,700
P-11, P-6, P-8, P-10	57	2,850	58	2,900	115	5,750	NA	5,750
MO-VL								
AS (?)								
V-510								
<u>TOTAL SURFACE VESSELS</u>	105	29,220	106	33,190	211	62,410	2	6,000
<u>SUBMARINES</u>								
Q-Class	5	2,350			5	2,350	0	2,350
W-Class	18	13,500			18	13,500	3	13,500
F-Class								1,660
Others**								
<u>TOTAL SUBMARINES</u>	23	15,850			23	15,850		17,510
<u>GRAND TOTAL</u>	128	45,070	106	33,190	234	78,260	-	70,530

Program terminated.
 Program terminated.
 New Program.
 **New programs believed underway including nuclear-powered submarines, number and tonnage not available.

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NAVAL VESSEL PRODUCTION 1958

Type	Completed						Under Construction At Year End	Produced During Year	Remarks
	January - June No.	Light Ship Tons (English)	July - December No.	Light Ship Tons (English)	Total No.	Light Ship Tons (English)			
<u>SURFACE VESSELS</u>									
DD	5,400	3	8,100	5*	13,500	3		5,496	
Kotlin & Kildin	2	4	2,000	4	2,000	NA		2,000	
MSF									
T-58									
MST									
Sasha	2,680	12	2,680	24	5,360	NA		5,360	
FC									
Kronshtadt (Imp.)	5,020	18	5,020	36	10,040	NA		10,040	
PT-PTC									
P-4, P-6, P-8, P-10	2,850	58	2,900	115	5,750	NA		5,750	
MO-VI									
AS (?)									
V-510									
<u>TOTAL SURFACE VESSELS</u>	<u>15,950</u>	<u>97</u>	<u>34,700</u>	<u>186</u>	<u>50,650</u>	<u>-</u>	<u>32,646</u>		
<u>SUBMARINES</u>									
F-Class	3	4,980	3	4,980	4		6,840		
Others**									
<u>TOTAL SUBMARINES</u>	<u>3</u>	<u>4,980</u>	<u>3</u>	<u>4,980</u>	<u>-</u>	<u>-</u>	<u>6,840</u>		
<u>GRAND TOTAL</u>	<u>89</u>	<u>15,950</u>	<u>100</u>	<u>39,680</u>	<u>189</u>	<u>55,630</u>	<u>-</u>	<u>39,486</u>	

*Includes 4 Kildin
Class.
New Program.

**New programs believed
underway including
nuclear-powered sub-
marines, number and
tonnage not available.

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COUNTRY: USSR

NAVAL VESSEL PRODUCTION: 1972

Type	Completed				Under Construction At Year End	Produced During Year	Remarks	
	No.	January - June	July - December	Total				
SURFACE VESSELS								
DD			2	5,400	2	5,400	1	1,810
Kilain	12	6,000	12	6,000	24	12,000	NA	12,000
MSF								
T-58								
MSI	12	2,680	12	2,680	24	5,360	NA	5,360
Sasha								
PC								
Kronshtadt (Imp.)	18	5,020	18	5,020	36	10,040	NA	10,040
PT-EPIC								
P-4, P-6, P-8, P-10, MO-VI	57	2,850	58	2,900	115	5,750	NA	5,750
TOTAL SURFACE VESSELS	99	16,550	102	22,000	201	38,550		34,960
SUBMARINES								
F-Class	2	3,320	3	4,980	5	8,300	NA	4,780*
Others**								
TOTAL SUBMARINES	2	3,320	3	4,900	5	8,300		4,780
GRAND TOTAL	101	19,870	105	26,980	206	46,850	-	39,740

*Based on 8 completions.
 **New programs believed underway including nuclear-powered submarines, number and tonnage not available.

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Type	Completed		Under Construction		Produced During Year		Tonnages
	No.	Tons (English)	Light Ship	Gross Register	No.	Tons (English)	
<u>MARITIME</u>							
<u>Tanker</u>							
Kazbek Class	12	56,880	98,760	6	38,070	66,050	Total vessels completed - 48.
Fokin Class				1	1,530	3,120	New program.
Oleg Koshevoi Class	4	7,160	11,800	4	6,860	11,300	Total vessels completed - 10.
Kobhi Class	8	5,600	6,460	NA	5,600	6,460	Total vessels completed - 26.
<u>Total Tanker</u>		69,640	117,020		52,060	86,930	
<u>Cargo</u>							
Ges Class	3	9,480	16,480		3,450	6,000	Total vessels completed - 6; program terminated.
Leningr. Komsomol Class				4	3,730	7,550	New Program.
<u>Total Cargo</u>	3	9,480	16,480		7,180	13,550	
<u>Refrigerator</u>							
Aktiubinsk Class	7	28,560	36,520	7	23,260	29,700	Total vessels completed - 10.
<u>Passenger</u>							
Zabaykalye Class	1	3,790	4,330	1	2,240	2,560	New Program.
<u>Icebreaker</u>							
Lenin Class					1	4,830	4,400
<u>Water Carrier</u>							
Oleg Koshevoi	1	1,790	2,950	1	2,090	3,740	
<u>Tugs</u>					NA	15,000	13,500
<u>Barges</u>					NA	1,000	5,000
Misc. coastal and other						1,000	
self-propelled					NA	4,000	5,330
<u>GRAND TOTAL</u>		133,260	201,130		111,660	164,410	

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COUNTRY: USSR	Type	Completed		Under Construction At Year End	Produced During Year		Remarks
		No.	Tons (English)		No.	Tons (English)	
		Light Ship	Gross Register		Light Ship	Gross Register	
FISHING							
Fishing Vessels *	NA	45,810	40,900	NA	41,140	36,730	Includes tenders, trawlers, seiners, luggers, cutters, barges, etc.
Whale Factory Vessels	7	6,580	5,880	1	6,120	7,270	
Whale Catchers				10	6,600	5,880	
Fish Factory Trawlers				3	3,050	4,170	
GRAND TOTAL		52,390	46,780		56,910	54,050	
INLAND **							
Self-propelled Vessels	X	Horsepower	X	X	Horsepower	X	
		99,500			99,500		Includes tugs, passenger, cargo, tankers, etc.
	X	DWTCC***	X	X	DWTCC***	X	
Non-self-propelled Vessels							
Steel					216,800		
Wooden					138,200		
TOTAL					355,000		

* See CIA Report CIA/RR 129, 7 Apr 58,
Construction and Imports of Vessels for
the Fishing Fleets of the USSR, 1950-60.
** See CIA Report CIA/RR 116, 13 Dec 57,
Construction and Imports of Vessels for the
Inland Fleet of the USSR, 1950-60.
*** Deadweight tons cargo capacity.

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COUNTRY: USSR

IMPROVING VESSEL PRODUCTION 1950-60

Reproduced

Under Construction

Completed

Type

Remarks

Type	No.	Tons (English) Light Gross Ship Register	No.	Tons (English) Light Gross Ship Register	Produced During Year
FISHING					
Fishing Vessels *	NA	27,820	24,840	NA	27,080
Whale Factory Vessels	10	9,740	8,400	1	6,120
Whale Catchers	8	18,560	25,360	NA	7,700
Fish Factory Trawlers		56,120	58,600	5	19,350
<u>GRAND TOTAL</u>					60,250
					64,400

Includes tenders, trawlers, seiners, luggers, cutters, barges, etc.

Type	No.	Horsepower X	X	Horsepower X	
INLAND **					
Self-propelled Vessels	115,100			115,100	
	X	DWTCC***	X	X	DWTCC*** X
Non-self-propelled Vessels					
Steel	170,600			170,600	
Wooden	124,400			124,400	
<u>TOTAL</u>	295,000			295,000	

* See CIA Report CIA/RR 129, 7 Apr 58, Construction and imports of vessels for the Fishing Fleets of the USSR 1950-60.

** See CIA Report CIA/RR 116, 13 Dec 57, Construction and imports of vessels for the Inland Fleet of the USSR, 1956-60.

*** Deadweight tons cargo capacity.

COUNTRY: USSR	Type	Completed		Under Construction At Year End		Produced During Year		Remarks
		No.	Tons (English)	No.	Light Ship	Gross Register	Tons (English)	
	<u>MARITIME</u>							
	<u>Tanker</u>							
	Kazbek Class	4	18,960	32,920	1		12,880	Total Vessels Completed - 57.
	Pekin Class	1	9,160	18,750	2		8,040	
	Oleg Koshevoi Class	4	7,160	11,800	4		7,160	Total Vessels Completed - 18.
	Kobhi Class	1	700	810	-		700	Total Vessels Completed - 32; program believed terminated.
	<u>Total Tanker</u>	10	35,980	64,280	7		28,780	51,430
	<u>Cargo</u>							
	Leninsky Komsomol Class	3	17,880	36,270	8		22,370	45,290
	<u>Refrigerator</u>							
	Altayubinsk Class	3	12,240	15,650	4		11,740	15,000
	<u>Passenger</u>							
	Kirgizatan						4,040	
	<u>Icebreaker</u>							
	Lenin Class	1	14,500	13,000	-		2,420	2,200
	<u>Water Carrier</u>							
	Oleg Koshevoi Class	1	1,790	2,950	-		900	1,480
	<u>Car Ferry</u>							
	Caspian Class	1	2,550	4,550	1		2,130	3,820
	<u>Tugs</u>							
		-	15,000	13,500	-		15,000	13,500
		-	1,000	5,000	-		1,000	5,000
	<u>Barges</u>							
	Misc. coastal and other self-propelled	-	3,000	4,000	-		3,000	4,000
	<u>GRAND TOTAL</u>		103,940	159,200	-		91,140	145,760

COUNTRY: USSR	Type	Completed		Under Construction At Year End		Produced During Year		Remarks
		No.	Tons (English)	No.	Light Ship Register	Gross Ship Register	Tons (English)	
<u>FISHING</u>								
Fishing Vessels *	NA	34,350	30,670	NA		34,350	30,670	Includes tenders, trawlers, seiners, luggers, cutters, barges, etc.
Whale Factory Vessels	1	16,830	20,000	1		11,760	13,970	
Whale catchers	7	6,580	5,880	7		6,580	5,880	
Fish Factory Trawlers	9	20,380	28,530	5		20,880	28,530	
<u>GRAND TOTAL</u>		78,640	85,080			73,570	79,050	
<u>INLAND</u>								
Self-Propelled Vessels	X	Horsepower	X	X	Horsepower	X		
		130,700			130,700			
	X	DWTCC***	X	X	DWTCC***	X		
<u>Non-self-propelled Vessels</u>								
Steel					148,000			
Wooden					112,000			
<u>TOTAL</u>		260,000			260,000			

* See CIA Report CIA/RR 129, 7 Apr 58, Construction and imports of vessels for the fishing fleets of the USSR 1950-60

** See CIA Report CIA/RR 116, 13 Dec 57, construction and imports of the vessels for the Inland Fleet of the USSR, 1956-60.

*** Dead weight tons cargo-capacity.